

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)
Bonide Shotgun Dog and Cat Repellent

ID No. 4356

Date: November 8, 1998

Section I

Bonide Products, Inc.
2 Wurz Ave.
Yorkville, NY 13495

(800) 424-9300
(315)736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional)
Methyl Nonyl Ketone (2-Undecanone) CAS#112-12-9				C11H22O	2.0

Section III - Physical/Chemical Characteristics

APPEARANCE AND ODOR: Sandy, Brown color Characteristic odor	SPECIFIC GRAVITY(Water=1):.8 to 1.2
BOILING POINT: N/A	SOLUBILITY IN WATER: N/A
EVAPORATION RATE (Butyl Acetate=1): N/A	VAPOR DENSITY (Air=1): N/A
MELTING POINT: N/A	VAPOR PRESSURE(mm. of Mercury): N/A

Section IV - Fire/Explosion Hazard Data

FLASH POINT: N/A FLAMMABILITY: N/A
FIRE EXTINGUISHING MEDIA: Dry Chemical, Co2, Foam
SPECIAL FIRE FIGHTING PROCEDURE: Avoid use of water to reduce contamination hazard. Back packs and protective gear recommended.
UNUSUAL FIRE/EXPLOSION HAZARD: CO Possible combustion product.

Section V - Reactivity Data

STABILITY: Stable CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (Materials to avoid): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: CO (Possible combustion product).
HAZARDOUS POLYMERIZATION: Will not occur CONDITIONS TO AVOID: N/A

Section VI - Health Hazard Data

ROUTES OF ENTRY: INHALATION: X SKIN: X INGESTION: X
HEALTH HAZARDS (Acute and Chronic): Minimal health hazard.
CARCINOGENICITY: N/A NTP: N/A IARC MONGRAPHS: N/A OSHA REGULATED: N/A
SIGNS AND SYMPTOMS OF EXPOSURE: Prolonged contact may cause irritation of skin or eyes. Inhalation may irritate nose and throat. Ingestion may cause irritation of mouth, nose and throat .
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A
EMERGENCY AND FIRST AID PROCEDURES: EYE: Flush with water for 15 minutes. SKIN: Wash with soap and water. INHALATION: Remove to fresh air. INGESTION: Give plenty of water. In all cases contact physician if necessary.

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid contact with material or dust.
WASTE DISPOSAL METHOD: Sweep up (or other effective method). Product that cannot be used according to label instructions should be disposed of according to Federal, State and Local Law. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry area out of the reach of pets or children.
OTHER PRECAUTIONS: Avoid contact with skin and eyes. Avoid inhalation of dust.

Section VIII - Control Measures

RESPIRATORY PROTECTION (Specify Type): None required. (Organic vapor or supplied air respirator if desired.)
VENTILATION:

LOCAL EXHAUST:	X
MECHANICAL (General):	N/A
SPECIAL:	N/A
OTHER:	N/A

PROTECTIVE GLOVES: None required. Neoprene if desired.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls

WORK/HYGIENIC PRACTICES: Avoid unnecessary contact

KEEP OUT OF REACH OF CHILDREN**ABBREVIATION KEY**

N/A: NOT AVAILABLE OR APPLICABLE

TLV: THRESHOLD LIMIT VALUE

STEL: SHORT TERM EXPOSURE LIMIT

N/E: NOT ESTABLISHED

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

D.O.T.: DEPARTMENT OF TRANSPORTATION

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